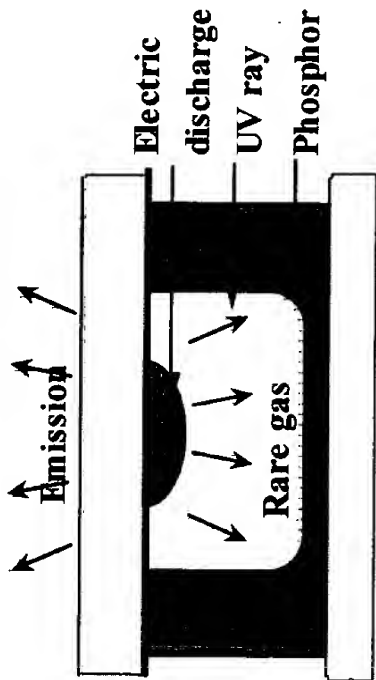


# Principle and Structure of PDP (Plasma Display Panel)

## (Principle of Emission)



Electric discharge in rare gas when applying voltage

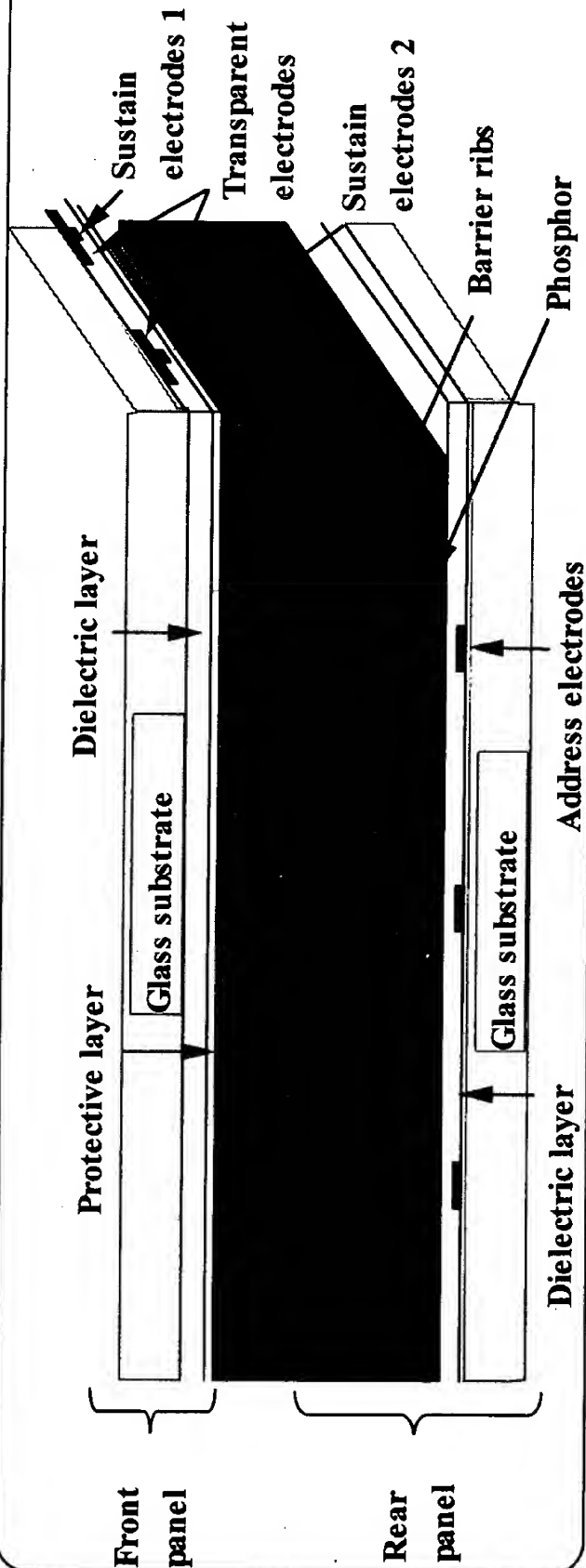


UV ray generation by rare gas excitation



Glow emission from phosphor by UV ray

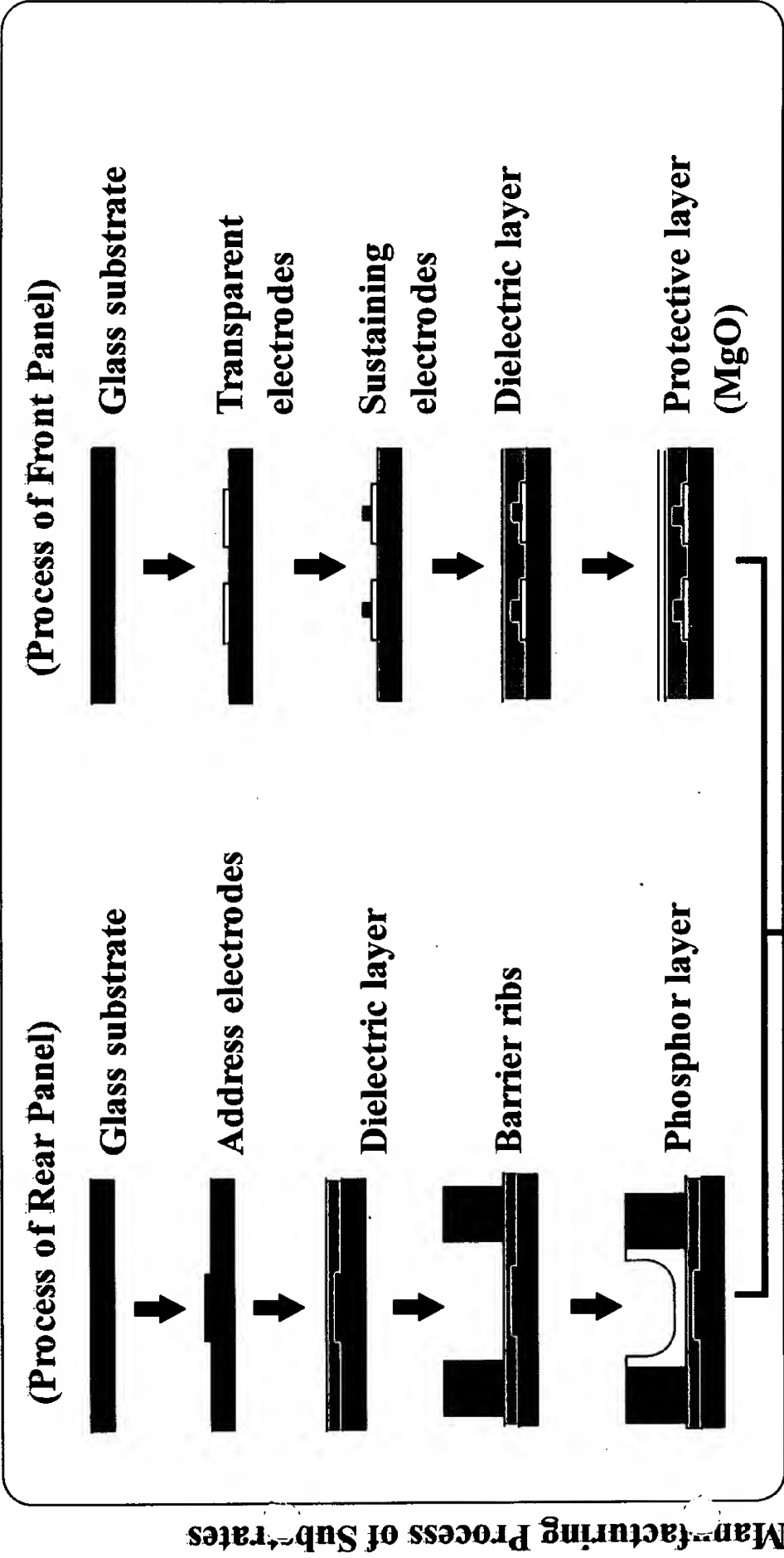
## (Structure of PDP)

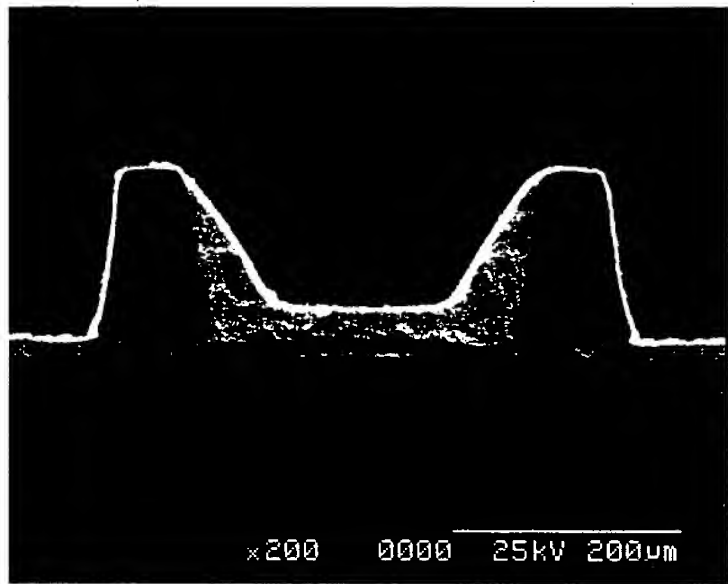


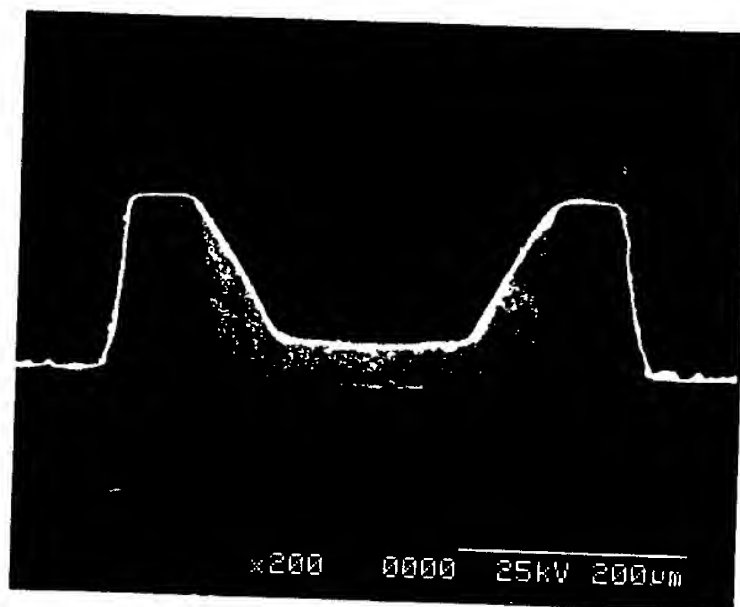
# Phosphor Layer Forming Methods

Method	Screen Printing	Photo Paste	Direct Printing
	<p>Squeegee</p> <p>Photo paste</p> <p>Mesh</p> <p>↓ Repeating 3 times</p>	<p>↓ Phosphor photo Paste Over all Printing</p> <p>↓ Exposing</p> <p>↓ Repeating 3times + Firing</p>	<p>Pressure</p> <p>Phosphor Paste</p> <p>Nozzle</p> <p>↓ Repeating 3times + Firing</p> <p>Nozzle holes</p>
High Resolution	Disadvantage	Advantage	Advantage
Paste Loss	Advantage	Disadvantage	Advantage

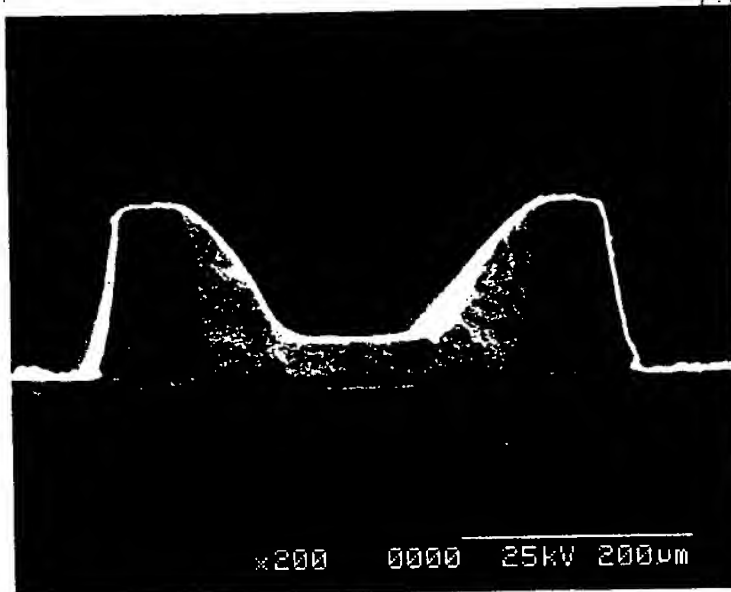
# Manufacturing Process of PDP







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134. 1=10 (MH-101-10) 5.5 67

1.8